

Training and Evaluation Outline Report

Status: Approved

27 Mar 2015

Effective Date: 19 Oct 2016

Task Number: 05-PLT-5518

Task Title: Perform Medical Treatment for Diving Disorders Requiring Recompression Therapy

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD3 - This training product has been reviewed by the developers in coordination with the MSCoE foreign disclosure officer. This training product cannot be used to instruct international military students.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 611-75	MANAGEMENT OF ARMY DIVERS	Yes	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	No
	SS521-AG-PRO-010	U.S. Navy Diving Manual. Revision 6	Yes	Yes
	TC 4-02.1	First Aid	Yes	No
	TM 3-34.83	ENGINEER DIVING OPERATIONS	Yes	No

Conditions: The team is deployed with an established diving station and is given a diver with a diving injury or an abnormal diving profile requiring recompression treatment. A recompression chamber is available and operational.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level.

The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions.

Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating.

Note: Condition terms definitions:

Dynamic Operational Environment: Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat Tactics, Techniques, and Procedures (TTPs) for assigned counter-tasks change in response to the execution of Blue Forces (BLUFOR) tasks.

Complex Operational Environment: Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units require all eight operational variables of Political, Military, Economic, Social, Infrastructure, Information, Physical environment, and Time (PMESII-PT) to be replicated in varying degrees based on the task being trained.

Single threat: Regular, irregular, criminal or terrorist forces are present.

Hybrid threat: Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

This task should not be trained in MOPP 4.

Standards: Recompression treatment is conducted without causing further injury to the diver. Treatment procedures are performed according to current treatment protocol.

Note: Leaders are defined as the Commander, Executive Officer, First Sergeant, Operations Sergeant, Platoon Leaders, Platoon Sergeants, Squad Leaders, and Team Leaders.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare			Execute						Assess
Operational Environment		Training Environment (LV/C)	Training/Authorized % of Leaders Present at	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
SQD & PLT									
Dynamic (Single Threat)	Day	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	T
			75-84%			80-90%		80-89%	T-
			65-74%	75-79%	65-79%	P			
60-64%			60-74%	51-64%	<All		<=79%	P-	
Static (Single Threat)	<=59%		<=59%	<=50%		U			

Remarks: None

Notes: All required references and technical manuals will be provided by the local command.

Safety Risk: Medium

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment. Due to the pressurized, highly oxygenated atmosphere generated in the recompression chamber, never allow spark producing objects (such as matches or cigarette lighters) or any metal objects to be worn or taken inside the chamber. Failure to comply may result in personal injury or death, or damage to the equipment.

WARNING

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task. Never attempt to open the outer medical lock (M/L) door while pressure is indicated on the M/L pressure gage. Serious injury or death may result.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers. Comply with the unit standing operating procedure (SOP), local regulations, and/or host nation laws for cleanup of equipment and solid waste contaminated with blood to avoid contamination from blood-borne pathogens.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE	GO	NO-GO	N/A
+* 1. The diving supervisor monitors treatment procedures.			
+* a. Evaluates the patient to determine the proper diagnosis of one or more of the following conditions:			
(1) Pulmonary overinflation syndrome.			
(2) Decompression sickness.			
(3) Omitted decompression.			
(4) Decompression- or surface decompression-related symptoms.			
+* b. Chooses the applicable treatment protocol for the recompression chamber.			
(1) Supervises the team during the treatment protocol.			
(2) Ensures that the team adheres to the procedures of the selected treatment protocol.			
* c. Diagnoses any additional symptoms that present themselves during the recompression treatment, such as--			
(1) Recurrences.			
(2) Oxygen toxicity.			
(3) Tension pneumothorax.			
+ 2. The treatment team provides recompression treatment to the injured diver.			
+ a. Performs first aid, as required.			
b. Mans assigned treatment/diving station positions.			
c. Performs specific tasks in their assigned positions.			
+ 3. The diving supervisor coordinates with the diving medical officer/medical authority for ancillary care or deviations from normal treatment (such as, pneumothorax or abort procedures for deceased patients).			
+ 4. Qualified medical personnel administer ancillary care.			
+* 5. The diving supervisor monitors post treatment procedures.			
+* a. Chooses the applicable post treatment procedure and provides instruction on the following:			
(1) Post treatment vicinity rules.			
(2) Residual symptoms.			
(3) Flying after treatment.			
(4) Referral to medical facility.			
* b. Refers divers to the diving medical officer/medical authority before they resume diving duty.			
* c. Ensures that the chamber facility is ready for additional treatment.			
6. The chamber team places the chamber in a ready position for additional treatment.			
+* 7. The diving supervisor completes and submits an incident report to higher headquarters (HQ).			
* a. Verifies completion of the treatment or diving log.			
* b. Completes the accident report form, DA Form 285, as required.			
* c. Reports the incident according to the unit Standing Operating Procedure (SOP).			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: 1 2 3 4 5 M

COMMANDER/LEADER ASSESSMENT: T P U

Mission(s) supported: None

MOPP 4: Never

MOPP 4 Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-PLT-5507	Perform Surface-Supplied Diving Operations	05 - Engineers (Collective)	Approved
	05-PLT-5509	Perform Self-Contained Underwater Breathing Apparatus (Scuba) Operations	05 - Engineers (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
1.	71-CO-5100	Conduct Troop Leading Procedures for Companies	71 - Combined Arms (Collective)	Approved
7.	05-CO-0018	Conduct Report Procedures	05 - Engineers (Collective)	Approved

OPFOR Task(s):

Task Number	Title	Status
71-CO-8510	OPFOR Disrupt	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-238-1540	Provide First Aid to a Diving Casualty	052 - Engineer (Individual)	Approved
	052-238-1541	Recognize Symptoms of Diving-Related Illnesses	052 - Engineer (Individual)	Approved
	052-238-1629	Operate a Recompression Chamber	052 - Engineer (Individual)	Approved
	052-238-2513	Direct the Setup of a Recompression Chamber	052 - Engineer (Individual)	Approved
	052-238-2516	Direct the Breakdown of a Recompression Chamber	052 - Engineer (Individual)	Approved
	052-238-2533	Administer an Intravenous (IV) Infusion to a Diving Casualty	052 - Engineer (Individual)	Approved
	052-238-3421	Diagnose a Diving Casualty	052 - Engineer (Individual)	Approved
	052-238-3423	Perform a Neurological Examination on a Diving Casualty	052 - Engineer (Individual)	Approved
	052-238-3424	Supervise the Treatment of a Diving Casualty Requiring Recompression	052 - Engineer (Individual)	Approved
	052-238-3440	Perform as a Recompression Chamber Inside Tender	052 - Engineer (Individual)	Approved
	052-238-4513	Monitor the Treatment Given to a Diving Casualty	052 - Engineer (Individual)	Approved

Supporting Drill(s): None**Supported AUTL/UJTL Task(s):**

Task ID	Title
ART 1.6.4	Provide Diver Support

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
D89675	CHAMBER RECOMP DIVERS	1
E69790	Compressor Unit RCP: Air REC Gas and Diesel Driven 88.5 CFM 100 PSI Diving	1

Material Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .